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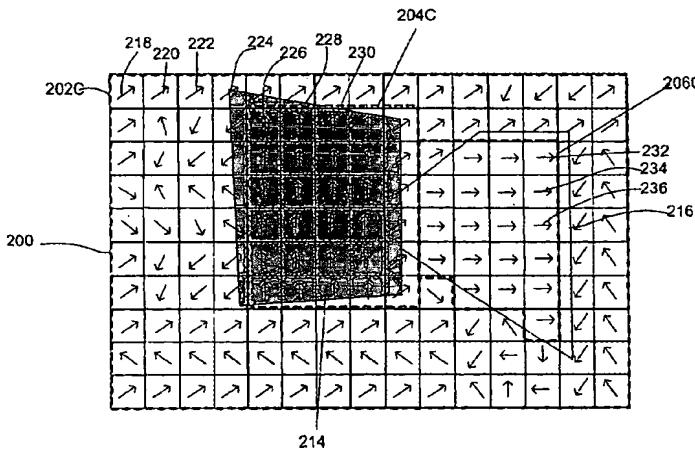
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(54) Title: SYSTEM AND METHOD FOR SEGMENTING



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(57) **Abstract:** A segmentation system (100) for segmenting a first image feature (214) in a first video image from an adjacent second image feature (216) in the first video image on basis of motion and on an image property like color or luminance. The segmentation system (100) comprises; a block-based motion estimator (102) for estimating motion vectors (218-230) for blocks of pixels; a motion segmentation unit (104) for segmenting the first video image into a first group of connected blocks of pixels (204) and a second group of connected blocks of pixels (206) on basis of the motion vectors (218-230) of the respective blocks of pixels; and a pixel-based segmentation unit (106) for segmenting the first image feature (214) from the second image feature (216) by means of a pixel-based segmentation of a portion of the blocks of pixels of the first and second group of connected blocks of pixels (214 and 216), on basis of the respective values of the image property.